

Listing Of The Claims

Please cancel claims 33-153 without prejudice, contingent upon the allowance of claims 1-3, 5-19 and 21-32.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A stretch blow molded multilayer container comprising:
a first layer defining an outermost layer of the container and comprising polypropylene;
and
a second layer comprising an oxygen barrier material, directly adjacent to said first layer;
at least one of said first and second layer further comprises an adhesive ~~maleic anhydride~~
~~modified polypropylene mixed therein~~ to facilitate bonding between the first and second layers,
the container having been biaxially stretched and having a haze value of less than approximately
29% measured through a section of the container having a total thickness of greater than
approximately 15 mils.
2. (Previously Presented) The container of claim 1 the first layer comprising the adhesive
wherein said adhesive comprises approximately 0.01% to 0.20% maleic anhydride.
3. (Previously Presented) The container of claim 1 the first layer comprising the
adhesive wherein said adhesive comprises approximately 0.015% maleic anhydride.
4. (cancelled)
5. (Previously Presented) The container of claim 1 wherein said container has a haze
value of approximately 10%-12% measured through a section of the container having a total
thickness of greater than approximately 15 mils.
6. (Original) The container of claim 1 wherein said second layer comprises EVOH.
7. (Previously Presented) The container of claim 1 wherein said second layer comprises
nylon.
8. (Original) The container of claim 1 wherein said second layer comprises nylon 6.

9. (Original) The container of claim 1 wherein said second layer comprises nylon 6/66.
10. (Previously Presented) The container of claim 1, the adhesive being maleic anhydride.
11. (Previously Presented) The container of claim 1 further comprising a third layer comprised of polypropylene adjacent to the second layer.
12. (currently amended) The container of claim 11, the ~~maleic anhydride modified polypropylene adhesive~~ in one of the first and second layers being located in the first layer and the third layer further comprising ~~maleic anhydride modified polypropylene an adhesive~~.
13. (Previously Presented) The container of claim 12, the adhesive in the first and third layers being maleic anhydride.
14. (Previously Presented) The container of claim 11, the third layer defining an innermost layer.
15. (Previously Presented) The container of claim 14, the third layer being bonded directly to the second layer.
16. (Previously Presented) The container of claim 7, the second layer further comprising cobalt.
17. (currently amended) A stretch blow molded multilayer container comprising:
a first layer defining an innermost layer of the container and comprising polypropylene;
and
a second layer comprising an oxygen barrier material, directly adjacent to said first layer;
at least one of the first and second layers further comprising an adhesive ~~mixed therein~~ to facilitate bonding between the first and second layers, the container having been biaxially stretched and having a haze value of less than approximately 29% measured through a section of the container having a total thickness of greater than approximately 15 mils.
18. (Previously Presented) The container of claim 17 the first layer comprising the adhesive wherein said adhesive comprises approximately 0.01% to about 0.20% maleic anhydride.

19. (Previously Presented) The container of claim 17 the first layer comprising the adhesive wherein said adhesive comprises approximately 0.015% maleic anhydride.

20. (cancelled)

21. (Previously Presented) The container of claim 17 wherein said container has a haze value of approximately 10%-12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

22. (Previously Presented) The container of claim 17 wherein said second layer comprises EVOH.

23. (Previously Presented) The container of claim 17 wherein said second layer comprises nylon.

24. (Previously Presented) The container of claim 17 wherein said second layer comprises nylon 6.

25. (Previously Presented) The container of claim 17 wherein said second layer comprises nylon 6/66.

26. (Previously Presented) The container of claim 17, the adhesive being maleic anhydride.

27. (Previously Presented) The container of claim 17 further comprising a third layer comprised of polypropylene adjacent to the second layer.

28. (currently amended) The container of claim 27, the adhesive ~~maleic anhydride modified polypropylene~~ in one of the first and second layers being located in the first layer and the third layer further comprising adhesive ~~maleic anhydride modified polypropylene~~.

29. (currently amended) The container of claim 28 ~~27~~, the adhesive in the first and third layers being maleic anhydride.

30. (Previously Presented) The container of claim 27, the third layer defining an outermost layer.

31. (Previously Presented) The container of claim 30, the third layer being bonded directly to the second layer.

32. (Previously Presented) The container of claim 23, the second layer further comprising cobalt.

33. (cancelled) A stretch blow molded multilayer container comprising:
a first layer defining an outermost layer of the container and comprising a blend of a polypropylene and an adhesive; and
a second layer comprising an oxygen barrier material, directly adjacent to said first layer;
the adhesive facilitating bonding between the first layer and the second layer, the container having been biaxially stretched and having a haze value of less than approximately 29% when measured through a section of the container having a total thickness of greater than approximately 15 mils.

34. (cancelled) The container of claim 33 the adhesive in the first layer comprising approximately 0.01% to 0.20% maleic anhydride.

35. (cancelled) The container of claim 33 the adhesive in the first layer comprising approximately 0.015% maleic anhydride.

36. (cancelled)

37. (cancelled) The container of claim 33 wherein said container has a haze value of approximately 10%-12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

38. (cancelled) The container of claim 33 wherein said second layer comprises EVOH.

39. (cancelled) The container of claim 33 wherein said second layer comprises nylon.

40. (cancelled) The container of claim 33 wherein said second layer comprises nylon 6.

41. (cancelled) The container of claim 33 wherein said second layer comprises nylon 6/66.

42. (cancelled) The container of claim 33, the adhesive being maleic anhydride.

43. (cancelled) The container of claim 33 further comprising a third layer comprised of polypropylene adjacent to the second layer.

44. (cancelled) The container of claim 43, the third layer further comprising an adhesive.

45. (cancelled) The container of claim 43, the adhesive in the first and third layers being maleic anhydride.

46. (cancelled) The container of claim 43, the third layer defining an innermost layer.

47. (cancelled) The container of claim 46, the third layer being bonded directly to the second layer.

48. (cancelled) The container of claim 39, the second layer further comprising cobalt.

49. (cancelled) A stretch blow molded multilayer container comprising:
a first layer defining an innermost layer of the container and comprising a blend of a polypropylene and an adhesive; and
a second layer comprising an oxygen barrier material, directly adjacent to said first layer;
the adhesive facilitating bonding between the first layer and the second layer, the container having been biaxially stretched and having a haze value of less than approximately 29% when measured through a section of the container having a total thickness of greater than approximately 15 mils.

50. (cancelled) The container of claim 49 the adhesive in the first layer comprising approximately 0.01% to 0.20% maleic anhydride.

51. (cancelled) The container of claim 49 the adhesive in the first layer comprising approximately 0.015% maleic anhydride.

52. (cancelled)

53. (cancelled) The container of claim 49 wherein said container has a haze value of approximately 10%-12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

54. (cancelled) The container of claim 49 wherein said second layer comprises EVOH.

55. (cancelled) The container of claim 33 wherein said second layer comprises nylon.

56. (cancelled) The container of claim 49 wherein said second layer comprises nylon 6.

57. (cancelled) The container of claim 49 wherein said second layer comprises nylon 6/66.

58. (cancelled) The container of claim 49, the adhesive being maleic anhydride.
59. (cancelled) The container of claim 49 further comprising a third layer comprised of polypropylene adjacent to the second layer.
60. (cancelled) The container of claim 59, the third layer further comprising an adhesive.
61. (cancelled) The container of claim 59, the adhesive in the first and third layers being maleic anhydride.
62. (cancelled) The container of claim 59, the third layer defining an outermost layer.
63. (cancelled) The container of claim 62, the third layer being bonded directly to the second layer.
64. (cancelled) The container of claim 55, the second layer further comprising cobalt.
65. (cancelled) A stretch blow molded multilayer container comprising:
a first layer comprising a blend of a polypropylene and an adhesive; and
a second layer comprising an oxygen barrier material, directly adjacent to said first layer;
the adhesive facilitating bonding between the first layer and the second layer, the second layer being the only layer free of adhesive residing directly adjacent to the first layer the container having been biaxially stretched and having a haze value of less than approximately 29% when measured through a section of the container having a total thickness of greater than approximately 15 mils.
66. (cancelled) The container of claim 65 the adhesive in the first layer comprising approximately 0.01% to 0.20% maleic anhydride.
67. (cancelled) The container of claim 65 the adhesive in the first layer comprising approximately 0.015% maleic anhydride.
68. (cancelled)
69. (cancelled) The container of claim 65 wherein said container has a haze value of approximately 10%-12% measured through a section of the container having a total thickness of greater than approximately 15 mils.
70. (cancelled) The container of claim 65 wherein said second layer comprises EVOH.

71. (cancelled) The container of claim 65 wherein said second layer comprises nylon.
72. (cancelled) The container of claim 65 wherein said second layer comprises nylon 6.
73. (cancelled) The container of claim 65 wherein said second layer comprises nylon 6/66.
74. (cancelled) The container of claim 65, the adhesive being maleic anhydride.
75. (cancelled) The container of claim 65 further comprising a third layer comprised of polypropylene adjacent to the second layer.
76. (cancelled) The container of claim 75, the third layer further comprising an adhesive.
77. (cancelled) The container of claim 76, the adhesive in the first and third layers being maleic anhydride.
78. (cancelled) The container of claim 75, the third layer defining an outermost layer.
79. (cancelled) The container of claim 78, the third layer being bonded directly to the second layer.
80. (cancelled) The container of claim 71, the second layer further comprising cobalt.
81. (cancelled) The container of claim 65, the first layer defining an innermost layer.
82. (cancelled) A stretch blow molded multilayer container comprising:
a first layer comprising polypropylene and an adhesive; and
a second layer comprising an oxygen barrier material;
the container having been biaxially stretched and the container having a haze value of less than approximately 29% measured through a section of the container having a total thickness of greater than approximately 15 mils.
83. (cancelled) The container of claim 82 the adhesive in the first layer comprising approximately 0.01% to 0.20% maleic anhydride.
84. (cancelled) The container of claim 82 the adhesive in the first layer comprising approximately 0.015% maleic anhydride.
85. (cancelled)

86. (cancelled) The container of claim 82 wherein said container has a haze value of approximately 10%-12%.

87. (cancelled) The container of claim 82 wherein said second layer comprises EVOH.

88. (cancelled) The container of claim 82 wherein said second layer comprises nylon.

89. (cancelled) The container of claim 82 wherein said second layer comprises nylon 6.

90. (cancelled) The container of claim 82 wherein said second layer comprises nylon 6/66.

91. (cancelled) The container of claim 82, the adhesive being maleic anhydride.

92. (cancelled) The container of claim 82 further comprising a third layer comprised of polypropylene adjacent to the second layer.

93. (cancelled) The container of claim 92, the third layer further comprising an adhesive.

94. (cancelled) The container of claim 93, the adhesive in the first and third layers being maleic anhydride.

95. (cancelled) The container of claim 92, the third layer defining an outermost layer.

96. (cancelled) The container of claim 95, the third layer being bonded directly to the second layer.

97. (cancelled) The container of claim 88, the second layer further comprising cobalt.

98. (cancelled) The container of claim 82, the first layer defining an innermost layer.

99. (cancelled) A method of making a container comprising the steps of:

forming a multilayer preform;

biaxially stretch blow molding said preform to form a transparent container comprising a first layer defining an outermost layer of said container and comprising polypropylene and a second layer comprising an oxygen barrier material, directly adjacent to said first layer,

wherein said container has a haze value of less than approximately 29% measured through a section of the container having a total thickness of greater than approximately 15 mils.

100. (cancelled) The method of claim 99 wherein at least one of said first and second layers comprises an adhesive, the adhesive facilitating bonding between the first and second

layers.

101. (cancelled) The method of claim 100 wherein said first layer comprises the adhesive wherein said adhesive in said first layer comprises approximately 0.01% to 0.20% by weight maleic anhydride.

102. (cancelled) The method of claim 101 wherein said adhesive in said first layer comprises approximately 0.015% by weight maleic anhydride.

103. (cancelled) The method of claim 99 wherein said container has a haze value of approximately 10% to 12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

104. (cancelled) The method of claim 99 wherein said second layer comprises EVOH.

105. (cancelled) The method of claim 99 wherein said second layer comprises nylon.

106. (cancelled) The method of claim 99 wherein said second layer comprises nylon 6.

107. (cancelled) The method of claim 99 wherein said second layer comprises nylon 6,66.

108. (cancelled) The method of claim 99 wherein said container further comprises a third layer comprised of polypropylene adjacent to the second layer.

109. (cancelled) The method of claim 108 wherein said third layer further comprises an adhesive.

110. (cancelled) The method of claim 108, the third layer defining an innermost layer.

111. (cancelled) The method of claim 110, the third layer being bonded directly to the second layer.

112. (cancelled) The method of claim 105, the second layer further comprising cobalt.

113. (cancelled) A method of making a container comprising the steps of:

forming a multilayer preform;

biaxially stretch blow molding said preform to form a transparent container comprising a first layer defining an innermost layer of said container and comprising polypropylene and a second layer comprising an oxygen barrier material, directly adjacent to said first layer,

wherein said container has a haze value of less than approximately 29% measured through a section of the container having a total thickness of greater than approximately 15 mils.

114. (cancelled) The method of claim 113 wherein at least one of said first and second layers comprises an adhesive, the adhesive facilitating bonding between the first and second layers.

115. (cancelled) The method of claim 114 wherein said first layer comprises the adhesive wherein said adhesive in said first layer comprises approximately 0.01% to 0.20% by weight maleic anhydride.

116. (cancelled) The method of claim 115 wherein the adhesive comprises approximately 0.015% by weight maleic anhydride.

117. (cancelled) The method of claim 113 wherein said container has a haze value of approximately 10% to 12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

118. (cancelled) The method of claim 113 wherein said second layer comprises EVOH.

119. (cancelled) The method of claim 113 wherein said second layer comprises nylon.

120. (cancelled) The method of claim 113 wherein said second layer comprises nylon 6.

121. (cancelled) The method of claim 113 wherein said second layer comprises nylon 6,66.

122. (cancelled) The method of claim 113 further comprising a third layer comprised of polypropylene adjacent to the second layer.

123. (cancelled) The method of claim 122 wherein said third layer further comprises an adhesive.

124. (cancelled) The method of claim 122, the third layer defining an outermost layer.

125. (cancelled) The method of claim 122, the third layer being bonded directly to the second layer.

126. (cancelled) The method of claim 119, the second layer further comprising cobalt. cobalt.

127. (cancelled) A multilayer container comprising:

a first layer defining an outermost layer of the container and comprising polypropylene modified with an adhesive, wherein said first layer comprises about 0.01 to about 0.20 percent by weight of the adhesive; and

a second layer comprising an oxygen barrier material, directly adjacent to the first layer;

the adhesive facilitating bonding between the first layer and the second layer.

128. (cancelled) The container of claim 127 wherein the adhesive constitutes maleic anhydride and the first layer comprises approximately 0.015% maleic anhydride.

129. (cancelled) The container of claim 127 wherein the container has a haze value of less than approximately 29% measured through a section of the container having a total thickness of greater than approximately 15 mils.

130. (cancelled) The container of claim 129 wherein the container has a haze value of approximately 10%-12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

131. (cancelled) The container of claim 127 wherein the second layer comprises EVOH.

132. (cancelled) The container of claim 127 wherein the second layer comprises nylon.

133. (cancelled) The container of claim 127 wherein the second layer comprises nylon 6.

134. (cancelled) The container of claim 127 wherein the second layer comprises nylon 6/66.

135. (cancelled) The container of claim 127 further comprising a third layer comprised of polypropylene and the adhesive, said third layer defining an innermost layer of the container.

136. (cancelled) The container of claim 127 further comprising a third layer comprised of polypropylene, directly adjacent to the second layer.

137. (cancelled) The container of claim 136, the third layer further comprising adhesive.

139. (cancelled) The container of claim 136, the third layer defining an innermost layer of the container.

140. (cancelled) The container of claim 127, the second layer comprising nylon and 100

ppm of cobalt.

141. (cancelled) A multilayer container comprising:

a first layer defining an innermost layer of the container and comprising polypropylene modified with an adhesive wherein said first layer comprises about 0.01 to about 0.20 percent by weight of the adhesive; and

a second layer comprising an oxygen barrier material, directly adjacent to the first layer;

the adhesive facilitating bonding between the first layer and the second layer.

142. (cancelled) The container of claim 141 wherein the adhesive constitutes 0.015% maleic anhydride.

143. (cancelled) The container of claim 141 wherein the container has a haze value of less than approximately 29% measured through a section of the container having a total thickness of greater than approximately 15 mils.

144. (cancelled) The container of claim 143 wherein the container has a haze value of approximately 10%-12% measured through a section of the container having a total thickness of greater than approximately 15 mils.

145. (cancelled) The container of claim 141 wherein the second layer comprises EVOH.

146. (cancelled) The container of claim 141 wherein the second layer comprises nylon.

147. (cancelled) The container of claim 141 wherein the second layer comprises nylon 6.

148. (cancelled) The container of claim 141 wherein the second layer comprises nylon 6/66.

149. (cancelled) The container of claim 141, the second layer comprising nylon and 100 ppm of cobalt.

150. (cancelled) The container of claim 141 further comprising a third layer comprised of polypropylene and an adhesive, said third layer defining an outermost layer of the container.

151. (cancelled) The container of claim 141 further comprising a third layer comprised of polypropylene, directly adjacent to the second layer.

152. (cancelled) The container of claim 151, the third layer further comprising adhesive.

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153. (cancelled) The container of claim 151, the third layer defining an outermost layer of the container.